

IN THE SPECIFICATION:

Please insert the following paragraph before the paragraph titled BACKGROUND OF THE INVENTION on page 1:

CROSS-REFERENCE TO RELATED APPLICATIONS

Pursuant to 35 U.S.C. § 119(a), this application claims the benefit of earlier filing date and right of priority to the Korean Application No. 10-2002-63322, filed on October 16, 2002, the content of which is hereby incorporated by reference herein in its entirety.

Please replace paragraph [0001] of the specification with the following paragraph:

[0001] The present invention relates to a navigation system, and more particularly, to a method and apparatus for ~~guiding an intersection~~ guidance, which is capable of efficiently creating an arrow that indicates an intersection turn guide.

Please replace paragraph [0003] of the specification with the following paragraph:

[0003] Recently, research and development has increased on vehicle apparatus ~~for vehicles have been made increasingly~~ and various products are now commercially available.

Please replace paragraph [0020] of the specification with the following paragraph:

[0020] It is assumed that the arrow shown in FIG. 1C can represents ~~free~~ any angles. In this case, ~~when only the guide arrow having free~~ displays an arrow where the angle of the arrow is displayed only slightly different from the straight course. Here, the driver may incorrectly determine the desired departing road ~~if because the approach road and the departing roads connected thereto are dense with each other~~ continue on in nearly the same direction.

Please replace paragraph [0021] of the specification with the following paragraph:

[0021] FIG. 2 is an exemplary view of a traffic information service in the conventional navigation system, in which only an intersection turn guide ~~arrow~~ is created to guide a vehicle to a recommended route.

Please replace paragraph [0023] of the specification with the following paragraph:

[0023] A name and direction 110 of the intersection, e.g., JEIL LIFE crossroad, is displayed on an upper portion of a screen 100 of the navigation system; and an intersection turn guide arrow image 120 is displayed on a middle portion. A remaining distance 130 to an intersection turn branch point, a remaining distance 140 to a desired destination and a time 150 required to reach the destination are displayed on a right side of the intersection turn guide ~~arrow~~ image 120. A road name 160 and a driving direction/GPS reception 170 are displayed on a lower portion of the screen 100.

Please replace paragraph [0026] of the specification with the following paragraph:

[0026] Accordingly, the present invention is directed to a method and apparatus for ~~guiding an intersection~~ guidance that substantially obviates one or more problems due to limitations and disadvantages of the related art.

Please replace paragraph [0027] of the specification with the following paragraph:

[0027] It is an object of the present invention to provide a method and apparatus for ~~guiding an intersection~~ guidance in a navigation system, which is capable of efficiently creating an arrow rapidly when a vehicle approaches an approach road.

Please replace paragraph [0028] of the specification with the following paragraph:

[0028] It is another object of the present invention to provide a method and apparatus for ~~guiding an intersection~~ guidance in a navigation system, in which ~~a visuality the usual image~~ is improved by displaying a ~~simplified simple shape~~ that corresponds with the actual shape of the intersection together with an arrow having ~~free~~ any angle.

Please replace paragraph [0029] of the specification with the following paragraph:

[0029] Additionally advantages, objects, and features of the invention will be set forth in part in the description which follows and in part will become apparent to those having ordinary skill in the art upon examination of the following or may be learned from practice of the invention. The objectives and other advantages of the invention may be realized and attained by the structure particularly pointed out in the written description and claims hereof as well as the appended drawings.

Please replace paragraph [0030] of the specification with the following paragraph:

[0030] According to a preferred embodiment of the present invention, a method for ~~guiding an intersection~~ guidance includes the steps of: checking an intersection network to create a predetermined intersection based on a vehicle position information; creating a turn guide arrow to be displayed on the intersection; and simultaneously displaying the intersection ~~and with the created~~ turn guide arrow ~~created-displayed~~ thereon.

Please replace paragraph [0032] of the specification with the following paragraph:

[0032] The step of creating the turn guide arrow includes the steps of: arranging a basic arrow, the basic arrow ~~being providing~~ provided with a lower body, a center circle, an upper body and a head, if a vehicle is guided by selecting one of the departing roads, calculating a rotation angle by using the angle between the approach road and the selected departing road; and rotating the upper body and the head according to the calculated rotation angle.

Please replace paragraph [0033] of the specification with the following paragraph:

[0033] According to another embodiment of the present invention, an apparatus for ~~guiding an intersection~~ guidance includes: means for checking an intersection network to create a predetermined intersection based on a vehicle position information; means for ~~create~~ creating a turn guide arrow to be displayed on the intersection; and means for simultaneously displaying the intersection ~~and with the created~~ turn guide arrow ~~created-displayed~~ thereon.

Please replace paragraph [0037] of the specification with the following paragraph:

[0037] ~~FIGs~~FIGS. 1A to 1C are exemplary views of turn guides ~~arrows~~ for an approach road in case an approach road and departing roads at a pattern of an intersection is dense ~~continue on in nearly the same direction~~ in a conventional TBT navigation system;

Please replace paragraph [0038] of the specification with the following paragraph:

[0038] FIG. 2 is an exemplary view of a traffic information service in a conventional navigation system, in which only an intersection turn guide ~~arrow~~ is created to guide a vehicle to a recommended route;

Please replace paragraph [0040] of the specification with the following paragraph:

[0040] FIG. 4 is a flowchart showing a method for ~~guiding an~~ intersection guidance in a TBT navigation system according to a preferred embodiment of the present invention.